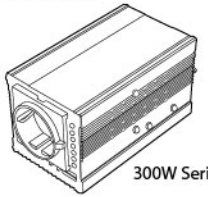
POWER INVERTER

TP-300 series user manual

1.Applications:

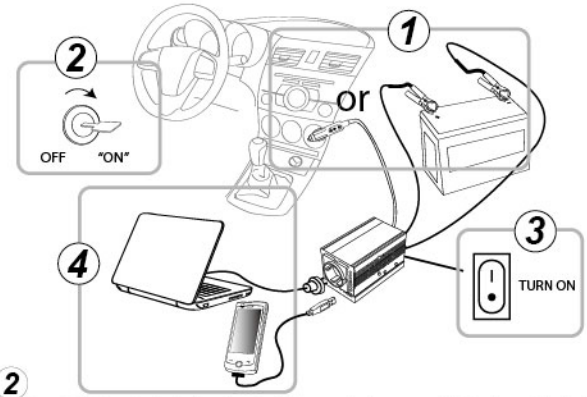
Notebook, Computer, Radio, TV, VCR, Lamp, Fan, Fax, Drill, Microwave, Oven, Mobile phone charger etc.

2.Figures: AC Front Panel of Inverter Series



300W Series

3.Figure of Operating Guideline



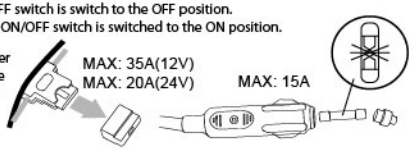
A. 1 + 2

- Connect the cigarette lighter adapter to the cigarette lighter receptacle or connect the battery cables to the power input terminals on the rear panel of the inverter. (The red terminal is positive (+) and the black terminal is negative (-).Insert the cables into the terminals and tighten screw to clamp the wires securely before starting the engine of your vehicle)
- Check the status of the power inverter by turning the ON/OFF switch to ON. A green light indicates that the inverter is operational. Then turn off the switch and plug in the desired electronic device.

B. 3 + 4

- Before installation make sure that the ON/OFF switch is switch to the OFF position.
- After completing installation, make sure the ON/OFF switch is switched to the ON position.

C. If the GREEN indicator light fails to turn on after the inverter is turned on, please check the fuse inside the cigarette adapter plug. Replace the blown fuse if necessary.



D. Cautions:

- Please wait 10 seconds to restart the inverter for any shutdowns caused by built-in protections.
- Connect to 12v / 24v / 48v battery or other 12v / 24v / 48v power source.
  【+】is positive, 【−】is negative. Reverse polarity connection will blow internal fuse and may damage inverter permanently.

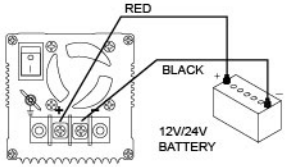
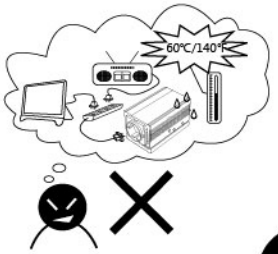


Figure: Battery Terminals

	Input Voltage	Do Not Connect Battery
The Inverter	12V	24V or 48V
	24V	12V or 48V

E. Safety Guidelines:

- Do not use the TITAN inverter in temperatures over 140° f (60° c).
- Do not expose the TITAN inverter to water, rain, snow, or spray.
- If you connect an AC load that is rated too high or a load that draws excessive surge power, the inverter would shut down. Then, the red fault light comes on.
- The red fault light indicates that the inverter has shut down. Shutdown is caused by low or high battery voltage, overload, or excessively high temperatures.



4.Troubleshooting:

If the inverter does not function properly, the possible causes are shown as below,

1) Poor contact: completely clean contact parts.
2) Fuse blown: replace the inside fuse with equivalent quality of cigarette plug.
3) Overload shutdown: remove load to lower than the maximum input power.
4) Low-battery shutdown: recharge the battery and resume the operation.
5) Thermal shutdown: heavy loads under a long-time use. The AC inverter will automatically shutdown for protection. When the inverter is overtemp, please adopt the steps (A to C) below to protect it and your electronic devices:
   (A) Switch off the power switch of this inverter.
   (B) Decrease load of this machine. Ex. Remove some appliances or wait until the inverter is cooled off.
   (C) Switch on the power switch of this inverter.

5. Cautions:

For the best performance, please place the inverter on a flat surface in a location that is:

1) Well ventilated.
2) Keep the inverter away from sunlight and any flammable substances.
3) Keep out of reach for children.
4) Do not allow water or other liquids to splash on the inverter.

※For the detailed product specification, please kindly find it on the package.

WARNING SIGNAL

Condition	Warning signal cycle	Shutdown signal cycle
Low battery alarm	BI BI BI(pause)	BEE BEE BEE(pause)
Over heating alarm	BI BI(pause)	BEE BEE(pause)
Over load alarm	BI BI BI BI BI BI	Continuous Bee
Note：BI is a short beep, and BEE is a long beep.		

6. CE Declaration of Conformity

TITAN declares that this product is in compliance with the essential requirements and other relevant provisions of applicable EC directives. (www.titan-power.com)